



PSM BIG Innovative powerhouse

STRENGTHS AT A GLANCE

- EXTRAORDINARILY HIGH SUCTION CAPACITY
- HIGHLY EFFICIENT HANDLING OF 50 KG FIRE EXTINGUISHERS
- FILLING OF BIG BAGS UP TO 1000 KG, E.G. FOR FIRE EXTINGUISHING POWDER RECYCLING



- Disposal of expired fire extinguishing powder into a Big Bag.
- Transferring powder from one fire extinguisher to another.



The **PSM BIG** has been designed for service work at stationary extinguishing systems and also dry tank fire fighting vehicles such as are used at airports or for factory fire brigades.

The innovative drive system of the rotary slide vacuum pump enables exceptionally high suction capacities of nearly one bar. However, it is factory limited to 0.7 bar.

- Refilling the fire extinguisher P 250 after the container inspection.

High work performance

To make use of the high work performance of up to 50 kg/min, the outlet has been appropriately dimensioned. In addition, two separate filter heads are mounted on the storage container with a capacity of 100 kg. All filters are cleaned by the electrical reversing operation.



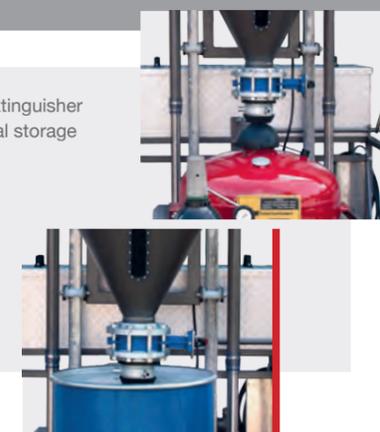
- Emptying / refilling of fire truck extinguishing powder tank.



- Emptying of a fire extinguisher P 250 into an additional storage tank 250 kg.

Easy to transport

A rack drive adjusts the height of the **PSM BIG**. The mobile base with two fixed rollers and two steering rollers with brakes makes it easy to transport the machine. The frame also includes retainers for the forks of lift trucks.



TECHNICAL DATA

PSM BIG

(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

Art.-No. 186062



Rotary slide vacuum pump: 400 V, 50 Hz, 4 kW, 1450 min⁻¹, flow rate 160 m³/h, weight: 160 kg, 5 m cable feed line H07RN-F 3 G 1.5 mm², oil and acid resistant. **Electr. reversing automaton:** Voltage 230 V, amperage 0.041 A, frequency 50 Hz. **Vibrating motor:** Voltage 230 V (50 Hz), speed 3000 min⁻¹, operating time 100 %. **Electr. remote control:** Cable length 10 m. **Powder container:** Capacity approx. 100 kg. **Set of filter cartridges:** 4 filter elements and high-grade steel sieve. **Filling hole of fire extinguishers:** 80 - 110 mm. **Transport wheels:** 2 roller bearing mounted fixed rollers Ø 200 mm, 2 braked steering rollers Ø 160 mm. **Earthed suction hoses:** Ø 38 x 2500 mm and Ø 38 x 5000 mm. **Suction pipes:** VA Ø 38 x 1200 mm, Ø 32 x 1100 mm and Ø 25 x 760 mm. **Dimensions (transverse pump):** 1215 x 1600 x 2000 / 2650 mm. **Operating noise:** approx. 80 dB(A). **Weight:** 389 kg. **Colour:** Silver-grey, hammer finish.

Subject to technical modifications / 03-2020



INCLUDED ACCESSORIES **PSM** POWDER SUCTION MACHINES

PHOTO SHOWS OPTIONS AND ACCESSORIES AT EXTRA CHARGE

- | | | | | | |
|--|--|--|---|--|--|
| <p>1 Art.-No. 186069
Filter head, with suction hose
includes suction hose Ø 32 x 1400 mm with earthing and VA suction pipe Ø 32 x 1150 mm</p> <p>2 Art.-No. 187141
Suction head SK100
Filling funnel for PSM BIG, for filling openings from 90 mm to 240 mm, with suction hose Ø 38 x 6000 mm</p> <p>3 Art.-No. 186009
Additional storage tank, suction hose and PVC suction pipe, without rollers (mobile base optional)
Additional storage tank for 50 kg fire extinguishing powder includes suction hose Ø 32 x 1400 mm, PVC suction pipe Ø 32 x 1150 mm</p> <p>4 Art.-No. 186009.R
Additional storage tank with rollers
Additional storage tank for 50 kg fire extinguishing powder with rollers including suction hose Ø 32 x 1400 mm, PVC suction pipe Ø 32 x 1150 mm</p> | <p>5 Art.-No. 186019
Additional storage tank without rollers
Additional storage tank "POWER/JUMBO" for 50 kg fire extinguishing powder</p> <p>6 Art.-No. 186072
Mobile base for Item 3, 5
Mobile base for 50 kg additional storage tank</p> <p>7 Art.-No. 186035
Suction hose extension
Suction hose extension Ø 32 x 1400 mm with connection piece</p> <p>8 Art.-No. 186036
Hose extension
Hose extension Ø 51 x 1500 mm with screw coupling</p> <p>9 Art.-No. 186026
Barrel
Barrel for 200 kg fire extinguishing powder</p> | <p>10 Art.-No. 187214
Mobile base
Mobile base for 200 kg barrel</p> <p>11 Art.-No. 186096
Remote control
Remote control for wireless control of the reversing process PSM Jumbo (on request)</p> <p>12 Art.-No. 186038 Economic, JUNIOR
Art.-No. 186039 (400-V-Motor)
Art.-No. 186040 (230-V-Motor)
Timer control
Timer control with adjustable cut-off function for automatic filling and cleaning of the filters.</p> <p>13 Art.-No. 186003
Vehicle fixture
Vehicle fixture for standing transport "JUNIOR N, ECONOMIC, COMPACT, POWER"</p> | <p>14 Art.-No. 186004
Vehicle fixture
Vehicle fixture for standing transport "JUNIOR, MINI, DSV Mobile"</p> <p>15 Art.-No. 186071
Wall bracket
Wall bracket with balancer for filter head</p> <p>16 Art.-No. 186910
Scales
Scales Digi 5000 g, digit increment 1 g</p> <p>17 Art.-No. 186903
Floor scales
Floor scales 30 kg, digit increment 10 g</p> <p>18 Art.-No. 186008
Set SK 50
Set SK 50 for 50 kg fire extinguisher includes suction hose Ø 32 x 1400 mm, PVC suction pipe Ø 32 x 1150 mm, Tension belt 3 m</p> | <p>19 Art.-No. 186801
Pressure reducer
Pressure reducer Nitrogen 0-20 bar</p> <p>20 Art.-No. 187072
Nitrogen cylinder
Nitrogen cylinder (steel), filled with 10 L nitrogen, 200 bar</p> <p>21 Art.-No. 186037
Original cap nuts
Original cap nuts for the filter head for fastening to P 50 or P 250 (please specify make and type)</p> <p>22 Art.-No. 186068
Hose extension
Hose extension Ø 51 x 3500 mm with screw coupling</p> | <p>23 Art.-No. 186067
Suction hose
Suction hose Ø 32 x 5000 mm with earthing</p> <p>24 Art.-No. 186005 (je Rohr)
Suction pipes
High-grade steel suction pipes from Ø 8 to Ø 32 mm outside diameter</p> |
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